# Release Note – XTAccess

## Release Note Version 1.19.15

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# List of Documents

- **XTAccess_ReleaseNote_v1.19.15.pdf** : Release Note of XTAccess v1.19
- **XTAccess_Codecs_v1.19.pdf** :List of codecs & wrappers compatible with XTAccess for wrapping, decoding and encoding
- **XTAccess_userman_1.19_ENG_121024_web.pdf** : User's Manual for XTAccess 1.19

# List of Documents Available on Request

Please contact media@evs.tv for more information.

- **XMLSchema_v2_03.zip** : The EVS XML scheme viewable with FireFox Browser:
  - Metadata v2.0 : Description of EVS Metadata
  - Jobs v1.0 : Description of XML jobs
  - Status v1.0 : Description of transfer status and error codes
  - Encoders v2.0 : Description of the encoder profiles configuration
  - EDL v1.0 : Description of the new EVS EDL (Playlist and Timeline)
- **EVS_XML_JOBS_1.3.14.pdf**: Description of the XML jobs supported by XTAccess v1.19
- **EVS Metadata xml v1.01.19.pdf** : Description of the EVS Metadata supported by XTAccess v1.19
- **EDL_EFFECTS_XTA_1_19.pdf** : List of the effects supported in XTAccess v1.19.
- **EVS EDL- structure and effects description - v2.0.pdf** : Description of the effects and the EDL structure supported in XTAccess v1.19.

# EVS compliance Matrix

- Package Multicam 11.00 & 11.01
- Xedio 4.2
- **IPD 6.0 but only through Xsquare (XTAccess 1.19 - Xsquare 1.01).**

If you want to use this version of Xtacccess with previous package : please contact the Media Product team (media@evs.tv).

# Software installation

See Installation Manual for details of the installation procedure.

Copy the installshield XTAccess_1.19.xx_Setup.exe in a temp directory (e.g. C:\Install Software\XTAccess\).

It is recommended to first uninstall XTAccess versions prior to v1.04.34.

Run XTAccess installshield **XTAccess_1.19.xx_Setup.exe** and then follow the steps of the Setup wizard.

The installer includes a registry key that disables the autorun function on USB keys to avoid virus intrusion

**Reboot needed after first launch**

**Xedio XTAccess Integration :**

Please verify in the Xedio Release note for the versions.

**Limitations** :

XTAccess 1.16 , 1.17,1.18, 1.19 are only compatible with future Xedio integration 4.0 and are not anymore compatible with the old version of the Xedio Integration dll. To use Xedio 3.2, you need XTAccess 1.15.28.

# Xsquare vs XTAccess

**Important notice: by default XTAccess 1.19 is controlled through Xsquare.**

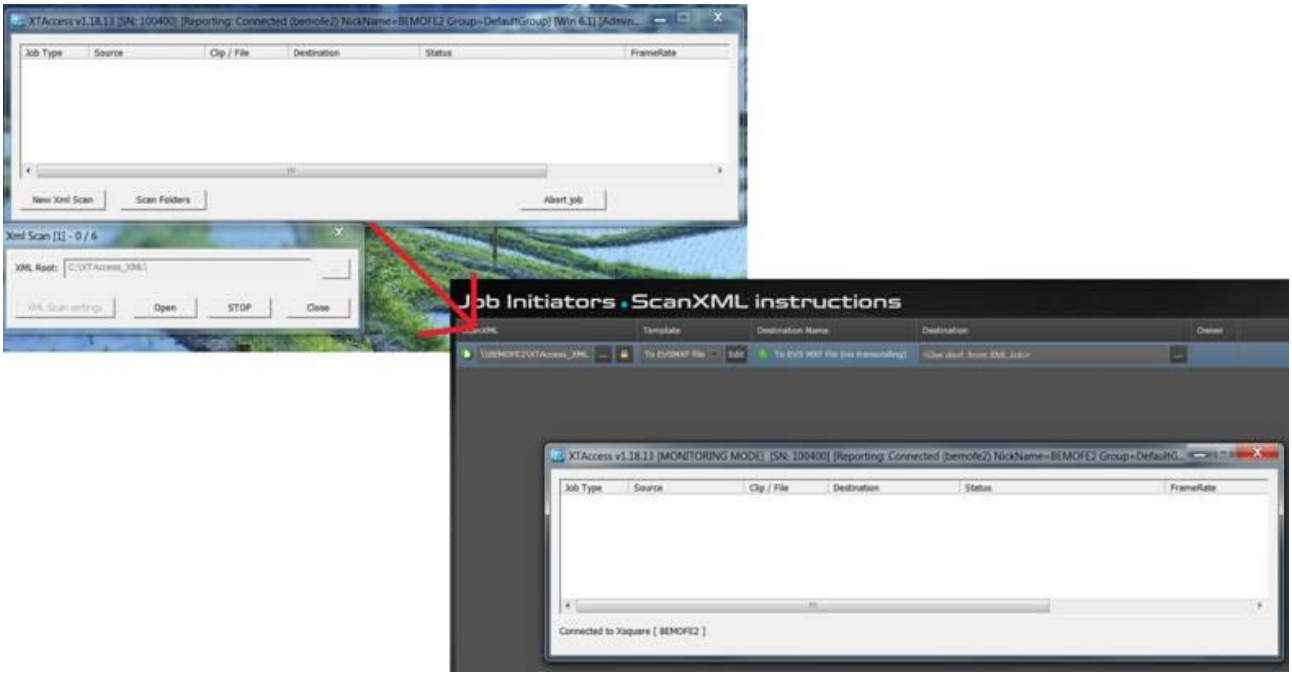
Xsquare helps to build a flexible architecture that can be easily monitored and controlled from a common interface. It defines the commands of targets and all orchestration between tasks with load balancing: Xsquare will always find the least active XTAccess to send the jobs there.

Xsquare Key Features:

- Simple unique interface for target and engine configuration
- One central point to manage orchestration (loadbalancing) of all tasks
- One unique interface to monitor tasks
- Full multi-destination job support

See Xsquare v1.01 Release Note for more information.

# XTAccess Scan XML




The Xsquare ScanXML replaces the XTAccess ScanXML.

XTAccess 1.19 has been only validated through Xsquare. XTAccess is no longer tested without Xsquare. If you plan to upgrade an existing setup with XTAccess 1.19, you must add Xsquare to this setup. If you are not sure how to do this, please contact the Media Product team.

IPDirector 6.0 has been validated only with the association Xsquare1.01/XTAccess 1.19.

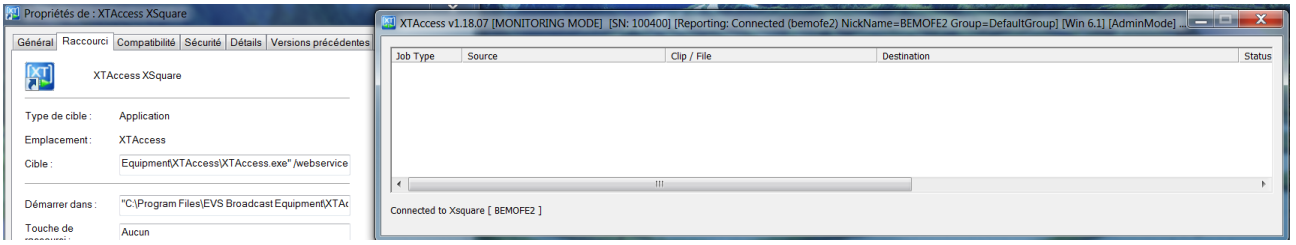
If for a very specific reason you need to use XTAccess 1.19 without Xsquare please contact the Media Product team for assessment.

The next release of XTAccess (XTAccess 2.00) will work only with Xsquare. It will be impossible to use XTAccess 2.00 without Xsquare, no exception. XTAccess 2.00 will become a black box behind Xsquare.

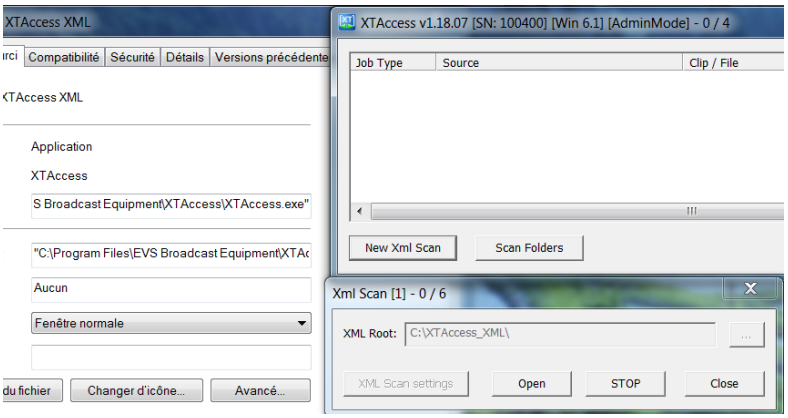
# XTAccess shortcut

XTAccess 1.19 can be started:

- in **Xsquare mode (default value) :** In this mode XTAccess will wait after soap job V2 from Xsquare




- in **XML job mode:** In this mode XTAccess will wait after XML job file from 3rd party. To activate this mode you will have to remove the "/webservice" in the shortcut



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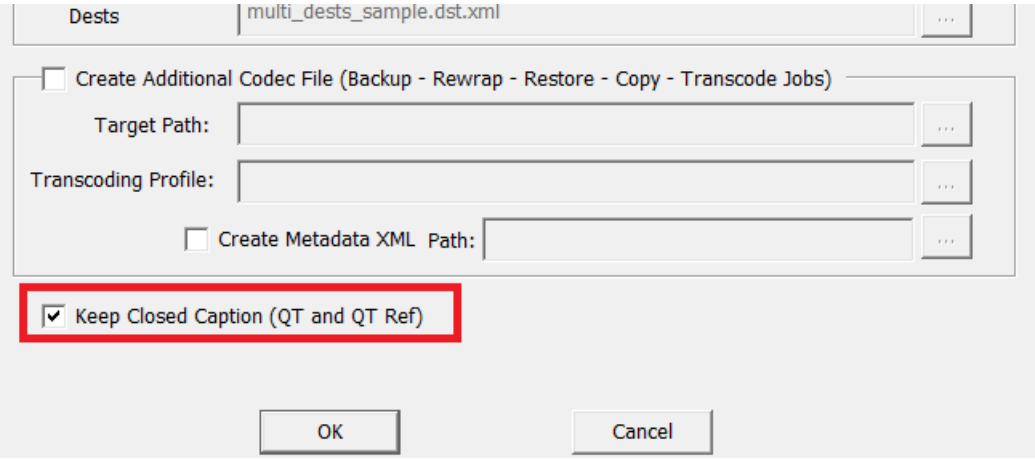
# New Features since XTACCESS v1.18.11

## Codecs and Wrappers

### Duration information in the header of XDCAM HD 422 MXF OP1a

The tag MXFTimecodeComponent Duration is present in the MXF header. This information is useful for 3d party applications in order to know the final duration of the file during creation (typically automation controllers).

### Closed Caption activation in QuickTime Reference and QuickTime Movies formats




It is possible to define in scan XML setting if XTAccess must keep or not the closed caption information during the backup in QuickTime Movies or QuickTime Reference format. By default the option is checked.

This option is also available in the Xsquare interface.

### Closed Caption support in Playlist Render to XT or QuickTime Format

XTAccess supports the render of Playlist using XT clips in ProRes 422 LT with Closed Caption CEA-708.

Available destinations:

- Flatten to XT: ProRes 422 LT.
- Flatten to file: ProRes 422 LT QuickTime Movies and QuickTime reference.

Limitations:

- Caption data must be present in every clip of the playlist. Playlist with blanks in the caption track is not supported.

# New Xedio effects supported by XTAccess

- **MUTE AUDIO** :
  - XTAccess 1.19 supports the audio effect generated by Xedio Clean Edit 4.2.
  - Effect available in flatten to file or XT and EDL export
- **CG**
  - XTAccess 1.19 supports the CG effect generated by Xedio Clean Edit 4.2.
  - Effect available in flatten to file or XT
- **ViZRT** support :
  - XTAccess 1.19 supports the ViZRT effect generated by Xedio Clean Edit 4.2.
  - Effect available in flatten to file or XT
- **Part_in/Part_out (dip to color)**
  - XTAccess 1.19 supports the dip to color effect generated by Xedio Clean Edit 4.2.
  - Effect available in flatten to file or XT
- **AUTO DUCKING** (Voice Over)
  - XTAccess 1.19 supports the auto ducking effect on Voice Over generated by the future Xedio Clean Edit 4.3.
  - Effect available in flatten to file or XT

Please contact Xedio for more information about these effects, and refer to the EDL documents : EDL_EFFECTS_XTA_1_19.pdf and EVS EDL- structure and effects description – v2.0.pdf.

# Miscellaneous

## Automatic creation of sub-folders

It is now possible to define in the XML job path some variables to create automatically sub-folders. The goal is to try to limit the number of files in the same folder.

Here is the list of variable available

- %Byear: The current year when XTAccess is doing the job
- %Bmonth: The current month (JAN,FEB,MAR,APR, etc) when XTAccess is doing the job
- %Bday: The current day when XTAccess is doing the job

This option is available for these paths

- Destination path (main destination)
- EDL destination path
- Avid Interplay URI
- Apple Local Path
- Autograb destination path

Example

```
<Job_Dest_File>D:\test\%month\%name</Job_Dest_File>
```

In this case XTAccess will automatically create a sub folder with the current month
Example : D:\Test\OCT\myclipname.mxf

Limitations

- This feature cannot be used with IPDirector 6.0 (Targets in the IPD remote installer and Nearline). This is planned in the future version of IPDirector.
- This feature is not available for the Metadata destination path but by default XTAccess will create the metadata file in the same folder that the video file so the option is not essential
- This feature is not available for the IPDirector referencing destination path but this is a static path which must not change
- Avid supports only one subfolder (not "\Avid MediaFiles\MXF\2012\FEB\3\" but "\Avid MediaFiles\MXF\3\" it is ok)

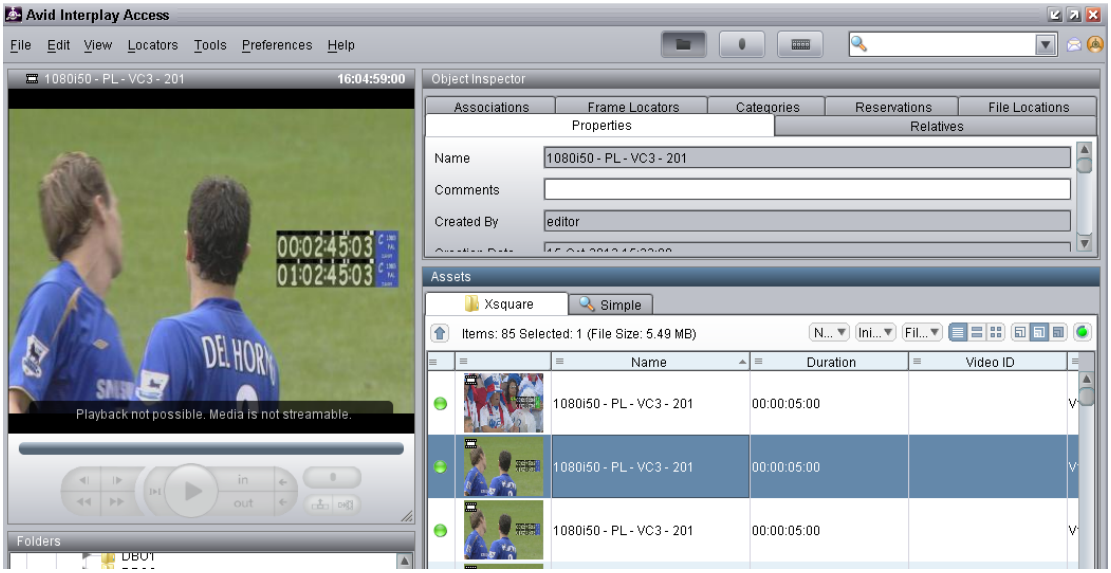
This feature is also available in the Xsquare interface (See Xsquare release note).

## Support of Avid Interplay WebServices 2.6 and MediaComposer 6.5

XTAccess 1.19 supports the integration with the Avid Interplay WebServices API v2.6. The files created by XTAccess 1.19 are also compatible with MediaComposer 6.5.

## Interplay Thumbnail creation when ingesting to Avid with Interplay WebServices

XTAccess 1.19 is now creating a thumbnail in the interplay DB during the checking. The thumbnails are visible in Avid Interplay Access.




## 3D Backup options (only available with Xsquare)

It is possible to define which Left or Right views XTAccess backup from a 3D EVS Server clip.

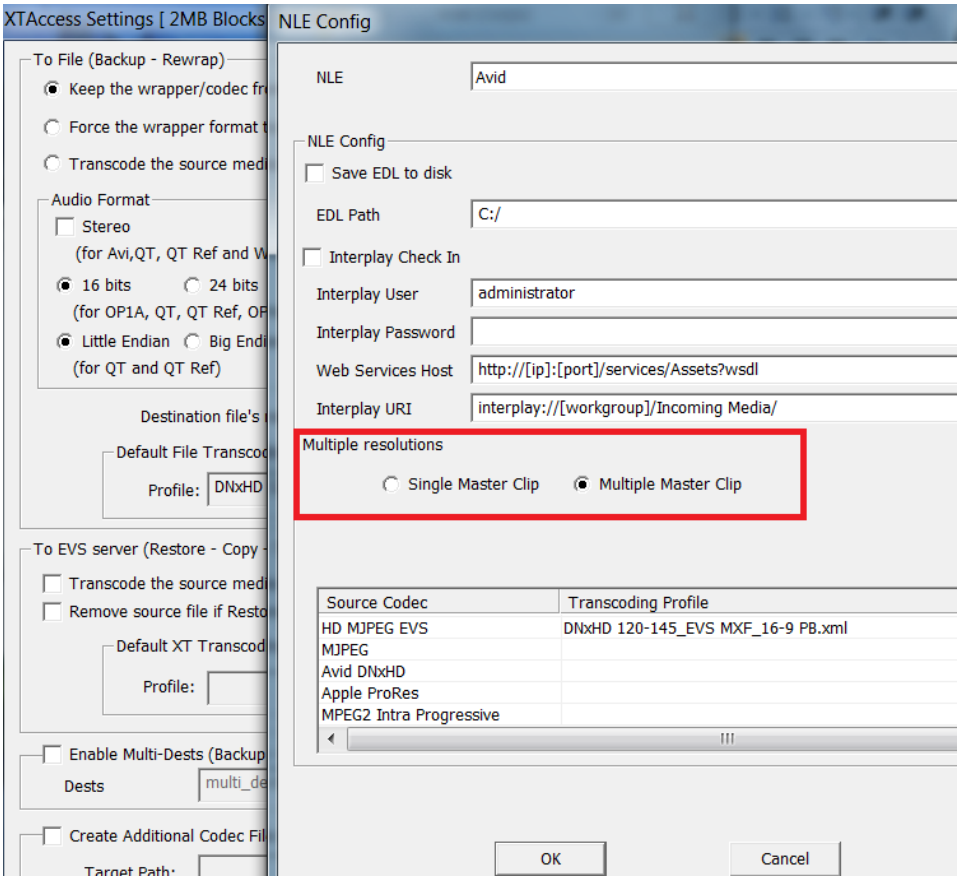
The options available are:

- **Backup L & R views** : XTAccess will backup both Left & Right views
  - For EVS.MXF format : XTAccess will backup the two views in the same file if this option is selected.
  - For other file formats (QuickTime Movies, QuickTime Movies, MXF OP1a, MXF OPAtom Avid) : XTAccess will create two different files if this option selected. File names will be automatically added with a 3DR or 3DL suffix.
- **Backup only L view** : XTAccess will backup only the Left view
- **Backup only R view**: XTAccess will backup only the Right view

The audio will be always the same in both views

Important notice : This feature is only available in the Xsquare interface (See Xsquare 1.01 release note).

## MasterMobId Generation for Avid




Avid handles multiple resolutions assets in different manner following on the Avid setup : i.e. Avid Standalone or Avid Interplay.

In Avid Interplay, it is possible to link several resolutions to one media, whereas Avid Standalone does not allow it. It is possible here to set how XTAccess must generate the Avid MasterMobId in the Avid opatom files to fit these behaviours:

- **Single Master Clip** --> MasterMobID based on UMID. So the MasterMobID will be the same for all the resolution of the same EVS Media. This is only valid for Interplay workflows.
- **Multiple Master Clip** (default value) --> MasterMobId is randomly generated. So the MasterMobID will be different for all the resolution of the same EVS Media.

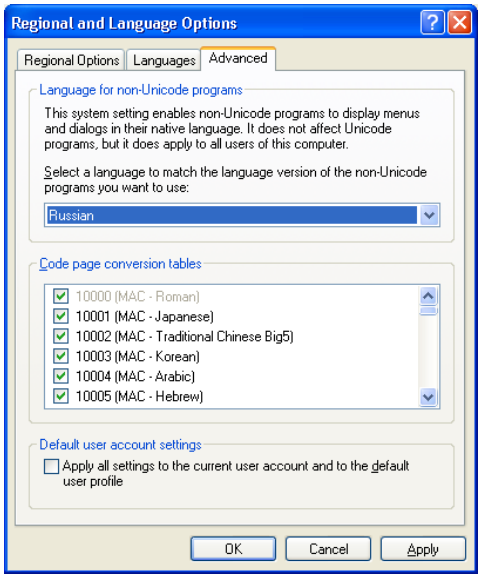
This feature is also available in the Xsquare interface (See Xsquare release note)

## Unicode Mode option in XTAccess (only available with Xsquare)

It is possible to define how XTAccess must name the destination files.

- **In ASCII mode**: XTAccess will name the destination filename only with ASCII characters (example: toto.mxf). If the destination filename must contain Unicode character: the files will be named "UnicodeFilename.mxf" instead of the "real" Unicode filename.

- **In Local mode** : XTAccess will name the destination filename with the same characters as the local code page of windows where is installed XTAccess (example : été_2012.mxf)
  If the characters are not available in the local code page: the filename will be replaced by "UnicodeFilename.xx"


Regional and Language Options
Regional Options
Languages
Advanced
Language for non-Unicode programs
This system setting enables non-Unicode programs to display menus and dialogs in their native language. It does not affect Unicode programs, but it does apply to all users of this computer.
Select a language to match the language version of the non-Unicode programs you want to use:
Russian
Code page conversion tables
10000 (MAC - Roman)
10001 (MAC - Japanese)
10002 (MAC - Traditional Chinese Big5)
10003 (MAC - Korean)
10004 (MAC - Arabic)
10005 (MAC - Hebrew)
Default user account settings
Apply all settings to the current user account and to the default user profile
OK
Cancel
Apply

This option is only available in the Xsquare interface (See Xsquare release note)

# Bugs Correction since XTAccess v1.18.11

- **Backup / restore / transcoding :**
  - # 75470: XTAccess Dump correction in the EVSHDVEncoder
  - #39177: TLE with 2 clips SSLM all frame -> EDL parser error
  - #39455: No start date in the XTAccess GUI

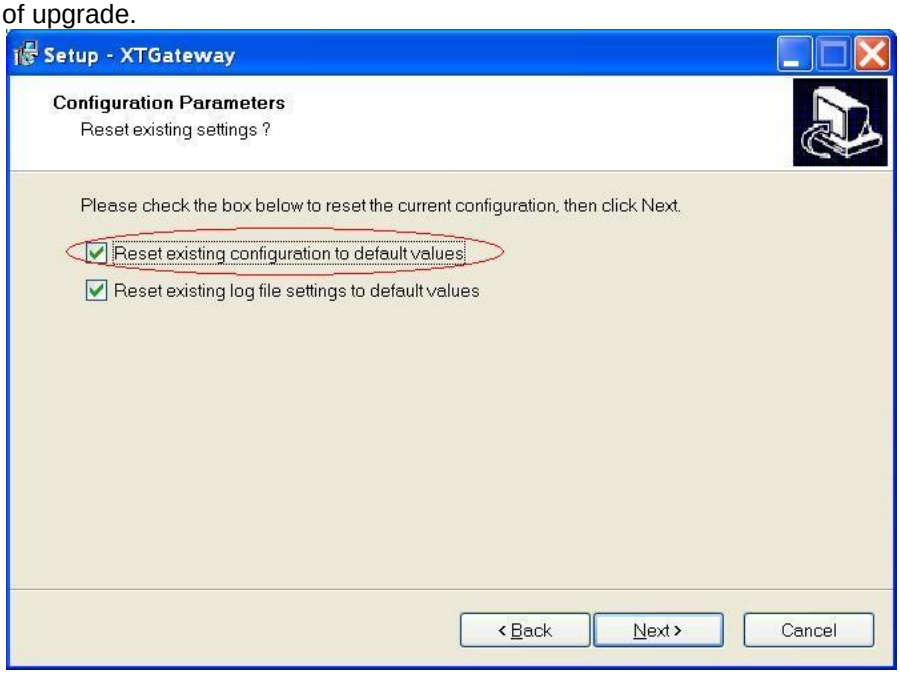
# Limitations

## Xedio Integration

- XTAccess 1.16, 1.17, 1.18 or 1.19 are only compatible with future Xedio integration 4.+ and are not anymore compatible with the old version of the Xedio Integration dll. To use Xedio 3.2, you need XTAccess 1.15.28.
- Since XTAccess 1.16, the referencing of MPEG-1 ES proxy format must be generated with the <Extension>es.xml</Extension> in the encoder profile. Previous version of XTAccess encoder profile used the tag <Extension>xml</Extension>.

## UPGRADE

- XTGateway must be installed with the option “Reset existing configuration to default values” in case of upgrade.


Setup - XTGateway
Configuration Parameters
Reset existing settings ?
Please check the box below to reset the current configuration, then click Next.
Reset existing configuration to default values
Reset existing log file settings to default values
< Back
Next >
Cancel

If this option is not selected, the config.xml file will be not upgraded. Then after you need to reconfigure XTGateway with your settings.

## Operating system

- It is necessary to set the UAC to the lower level to use XTAccess on Windows 7
- We requirement to deactivate the “Areo” mode on windows 7 and Server 2008
- #37366: XTAccess 1.17, 1.18 and 1.19 are not compatible with Windows Server 2003 64 bits

## NLE Settings

- General :
  - Export PL/TL : EVS recommends to open the FCP EDL (XML) or Avid EDL (AAF) only when all the child backups are done. Otherwise the NLE (Apple FCP or Avid Media Composer) will not update the growing media in their timelines.
  - The EVS metadata present in the EDL exported from a PL/TL are the metadata of the original clip and not the metadata of the backuped file which could be different (new VarId, new duration, new In point, etc)
- FCP NLE :
  - The delay between the EVS XT server Live and first picture available in MediaComposer is +- 15 seconds (tests done in DVCPRO HD NTSC and IMX NTSC)
  - XTAccess supports only FCP 7 with the version 5 of the FCP XML. FCP X is not supported.
  - The Matrix of metadata for FCP is only working for the clips metadata, not for the EDL.
- Avid NLE :
  - The delay between the EVS XT server Live and first picture available in MediaComposer is +- 20 seconds for the video and +- 30 seconds for the audio (tests done in DVCPRO HD NTSC and IMX NTSC)
  - There could be some troubles with the direct access in MXF OPAtom and Edit While Capture in Avid Media Composer
  - When browsing a growing EWC media, sometimes Media Composer displays “FILE_OTHER” instead of the video. The file must be refreshed by double clicking on the clip in Media Composer bin.
  - Message “PMM_INSUFFICIENT_MEDIA” in Media Composer when a media is updated and stretched : the duration is longer than the original one. It is not possible to increase the duration of a media sent to Avid. Note : reducing the duration of the media is OK (see limitation below anyway).
  - When updating the duration of the media in Interplay with a shorter duration, the new short out is correctly updated but you need the delete the clip from the Media Composer bin and re-import the media from Interplay in order to place the short out anchor in the right location in the viewer. Limitation of Avid Media Composer
  - #32025 : the files SSLM Avid JFFIF 10.01 stays growing in the interplay DB even if the job is finished
  - #35613: It is only possible to use the <General_Infos> and <Clips_Infos> XML tags in the Avid Tape.

## Transcoding

- XDCAM HD decoder is not working correctly on 16-core processor. Long files transcoding will fail (typically for more than 30 minutes duration files). Under investigation.

- It is not possible to keep a file EVS MXF with SuperMotion feature after transcoding.
- We recommend doing maximum two transcodings in AVC-intra at the same time otherwise memory overflow could append. Please, contact EVS support to limit the Max Transcoding Job
- #23834 : it is necessary to configure the target resolution to 720P to do rendering of playlist in progressive mode.
- #35675: IMX 30, IMX 40 and IMX 50 are considered as different codec for XTAccess. So the smartrendering is not working between these IMX Bitrates.

## Backup

- Growing clips without out point are not supported by XTAccess.
- If the backup paths are not exactly the same (for example: C:\Video\Toto.mxf is different than \\Xstore60170\Video\Toto.mxf ) the XTAccess auto incrementation "(1) (2) (3) etc .." of the filename is not working. We recommend to use %GUID in the file name format string in IPD to be sure that there will never be two times the same file created simultaneously by XTAccess
- #8276: XTAccess doesn't support non-natif EVS codec in growing files.
- #31464: XTAccess doesn't create FCP.XML file in case of backup of 3D clips
- XTAccess doesn't reference OPAtom files in Avid Interplay in case of backup of 3D clips
- # 37057 : %TCINDATE and %TCOUTDATE FileNameFormatString option don't work for the rewrap jobs.

## Rendering

- We recommend doing a maximum of two renderings of playlist in AVC-Intra 100 at the same time otherwise memory overflow could happen.
- #36164: XTAccess can use a lot of memory to decode QT files due to the QT structure
- #38861: XTAccess will not render the audio of one element SSLM "All Frames" in an EDL
- #39025: The EDL rendering in DNxHD with a no video element as first element is not working

## Additional notes

Compatibility of XTAccess 1.14.xx or upper with the previous release Multicam 10.01 – IPD 5.6

Multicam 10.03 and all EVS Software compatible with Multicam 10.03 (IPDirector, XTAccess, XFile) will generate new UmID format based on the new range of EVS Serial Number

This new UmID will contain new characters (**-+!#$(),;=[]^_{}~**) not present in the previous UmID generated with the package Multicam 10.01 or older.

The UmID is used to retrieve the creation date and the original XT network number (for XFile) of one clip or file.

As the UmID format has changed (new characters): the previous software from the package Multicam 10.01 will not understand this new UmID and so will not retrieve correctly the creation date and the XT network number

So if you try to use clips or files generated with applications from the Multicam 10.03 package (Multicam, XTAccess or XFile) on a system based on the Multicam 10.01 package the Creation date and the original XT network number for theses clips or files will be wrong.

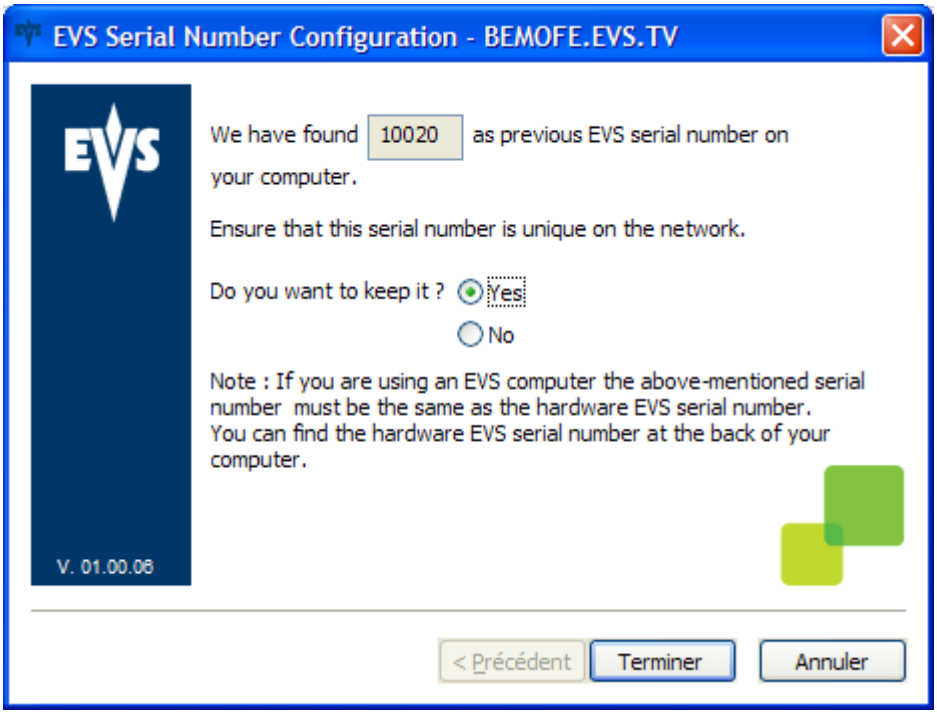
| | Release Multicam 10.1 | | Release Multicam 10.3 | |
|---|---|---|---|---|
| Type | Clip | File | Clip | File |
| **Used on package Release Multicam 10.1** | OK | OK | NOK* | NOK* |
| **Used on package Release Multicam 10.3** | OK | Ok | OK | OK |

* The creation date and the original XT Network number of these clips or files will be wrong

The package Multicam 10.03 is compatible with the new and previous format of UmID.

## EVS wizard Serial Number

At the upgrade of an existing XTAccess version before XTAccess 1.14.xx: there will be an EVS Wizard which will configure the Global EVS Software Serial Number. The wizard will find the current serial number on the computer and then will propose to the user to change it or not.


EVS Serial Number Configuration - BEMOFE.EVS.TV
We have found 10020 as previous EVS serial number on your computer.
Ensure that this serial number is unique on the network.
Do you want to keep it ?
Yes
No
Note : If you are using an EVS computer the above-mentioned serial number must be the same as the hardware EVS serial number.
You can find the hardware EVS serial number at the back of your computer.
V. 01.00.06
< Précédent
Terminer
Annuler

The EVS Serial Number must be unique on the network. On EVS Computer the EVS Serial Number software must be the same as the EVS Serial Number printed at the back of the computer

If there is XFile software already installed on the computer the wizard will keep the XFile serial number without any prompts.

## Miscellaneous

- Unicode & ASCII extended: Transfer of Unicode metadata to Avid Transfer Manager is not supported.
- In case of backup of trains, <XT_Creation_Time> tags are based on XTAccess workstation date and time, not on XT date and time.
- It is not allowed to open, edit or process a file stored in an XTAccess Scan folder. XTAccess will not be able to access the file and could generate errors.
- Backup File Name Format String : XTAccess is not able to handle special characters like the "\ / :* ? , ;»<>|" in a string.
- Progress current TC in IPD v5 is not available for the Copy XT to XT and with the Avid transfer. The progress bar is available.
- In Hi-Lo mode: you need to use %VCodec or %GUID to do the difference between the two backuped clips and XML
- %K1,%K2, etc take the XT keyword with maximum 12 characters and not the IPD Keyword with 64 characters
- If the backup / rewrap fails because the target becomes unreachable (i.e. network failure), the incomplete a/v file CANNOT be deleted.
- #2083 : Partial transfer to Avid Transfer Manager of MXF file that have been backuped with XTAccess version prior to 1.06.00 is not feasible. Complete transfer is OK.

- XML Referencing files are not compatible from Multicam 10 (IPD5) to Multicam 9 (IPD4)
- The XTAccess Scan Folder cannot process growing files. The file must be complete to be processed by the XTAccess Scan Folder
- The “Remove source file if restore/copy is successful” option will also delete the source file in case of partial restore/copy